

CLAIMS

1. Soluble pharmaceutical composition for the treatment of articular pathologies comprising an effective amount of at least one linear or cyclic polymetaphosphate or a
5 soluble and pharmaceutically acceptable salt thereof, and appropriate diluents.
2. Composition as claimed in claim 1 wherein the salt of the polymetaphosphate is a sodium salt with the formula $(\text{NaPO}_3)_n$.
- 10 3. Composition as claimed in claim 1 wherein the polymetaphosphate is included in the following group: polymeric metaphosphate (SMP); tripolymermetaphosphate (PSTP); cyclic trimetaphosphate (TSMP), cyclic hexametaphosphate (SEMP).
4. Composition as claimed in any of the previous claims, further comprising effective
15 quantities of anti-oxidants and/or anti-radicals of oxygen and hypochlorite anion.
5. Composition as claimed in claim 4 wherein the anti-oxidants are included in the following group: mannitol, vitamin E, vitamin C, carotenoids, tocopherol, taurine, glucosamine sulfate, glucosamine hydrochloride.
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6. Composition as claimed in one of the previous claims, further comprising at least one scavenger substance with anti-radical action.
7. Pharmaceutical formulation injectable in intra-articular fashion comprising a first
25 container, containing the composition as claimed in one of the claims 1 through 3 in powder form, and a second container containing a solution of diluent in which is dissolved at least one substance with anti-radical action and/or a substance with anti-oxidant action, and wherein the composition of the first container is dissolved before use.
- 30 8. Injectable pharmaceutical formulation to be used for continuous washing of an articulation comprising a first container, containing the composition as claimed in one of the claims 1 through 3 in powder form, and a second container containing a solution

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of diluent in which is dissolved at least one substance with anti-radical action and/or a substance with anti-oxidant action, and in which the composition of the first container is dissolved before use.

- 5 9. Containment pharmaceutical formulation to be used after the solubilization of CPPD or HAP crystals in an articulation comprising a container containing a solution of dilutant injectable in intra-articular fashion, slightly hypotonic, in which is dissolved at least one substance with anti-radical action of oxygen and hypochlorite anti-anion.
- 10 10. Aqueous hypotonic solution in which the composition as claimed in claims 1 through 6 is dissolved.

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